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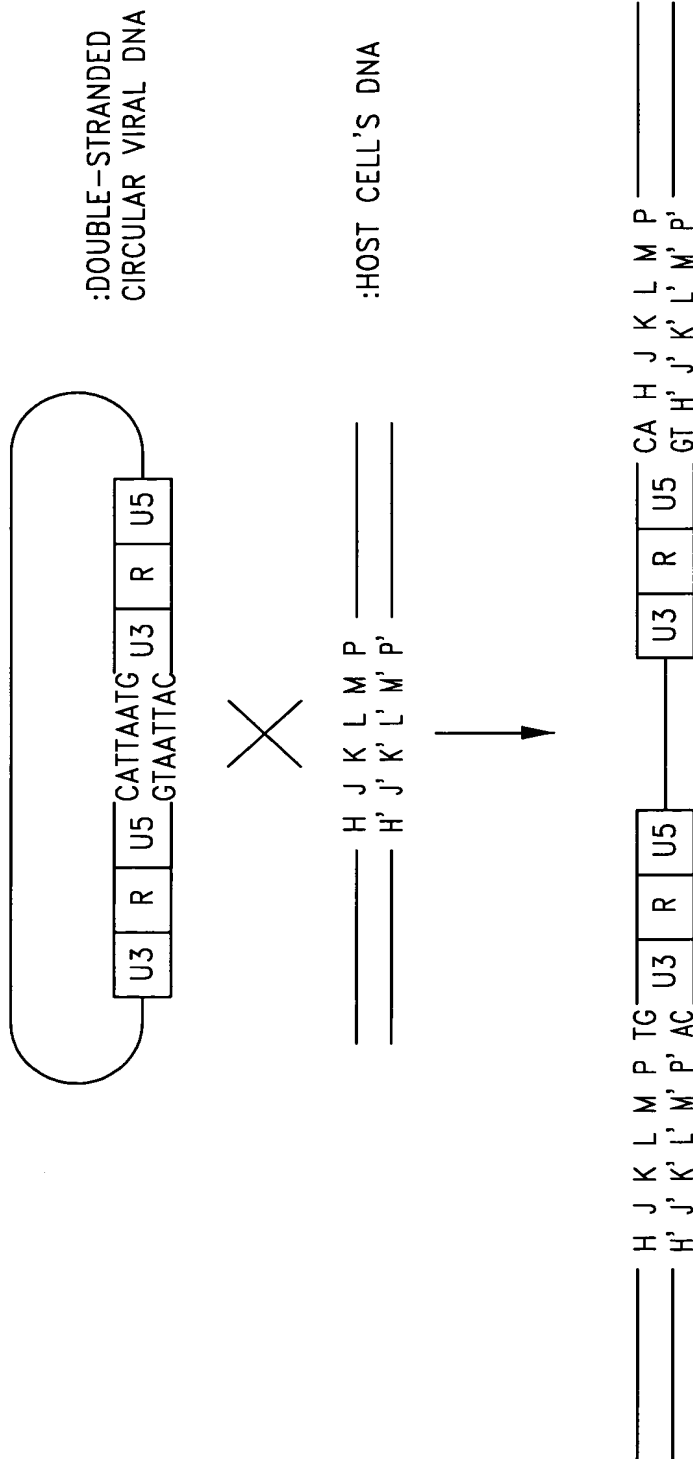
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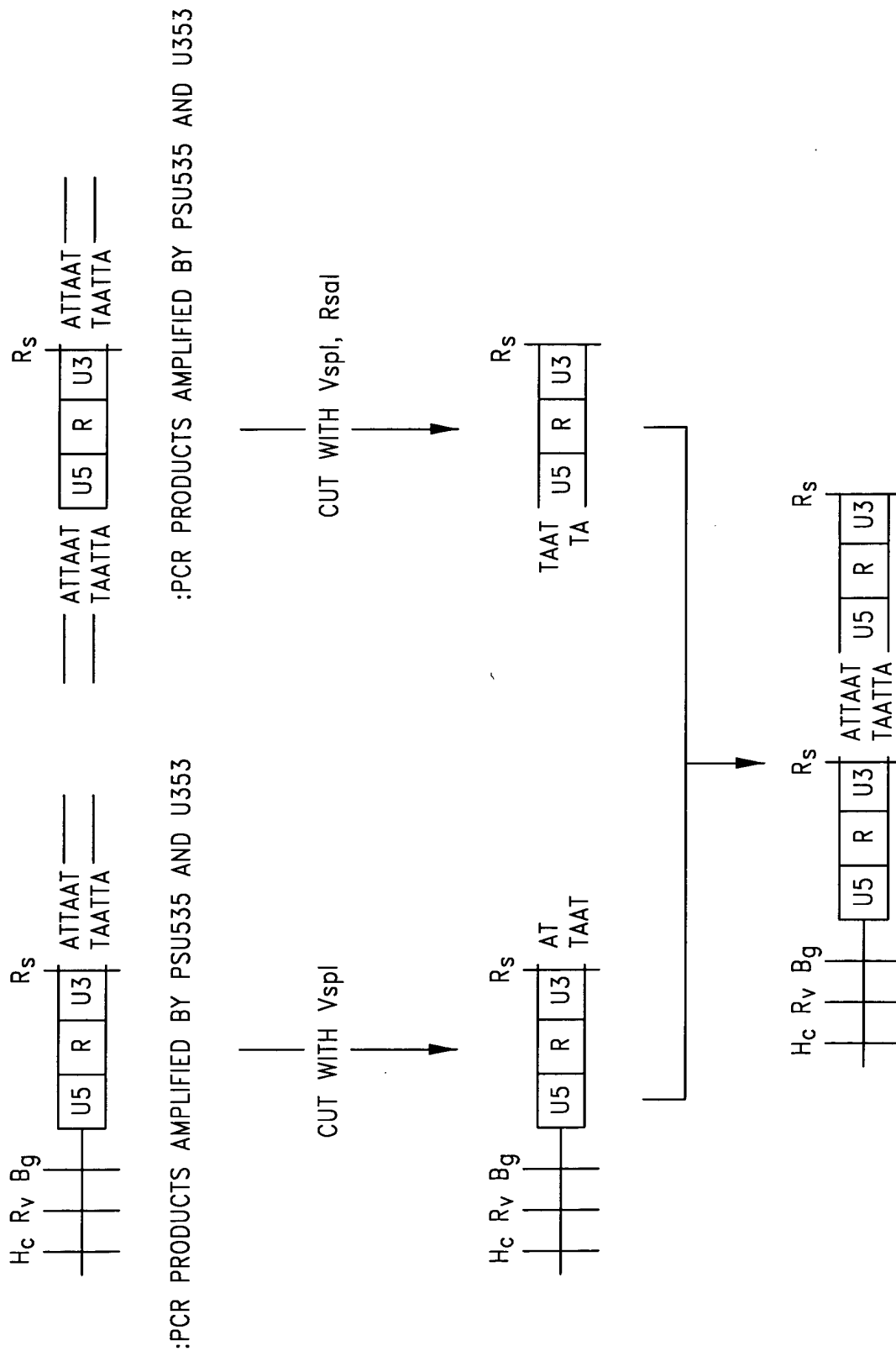
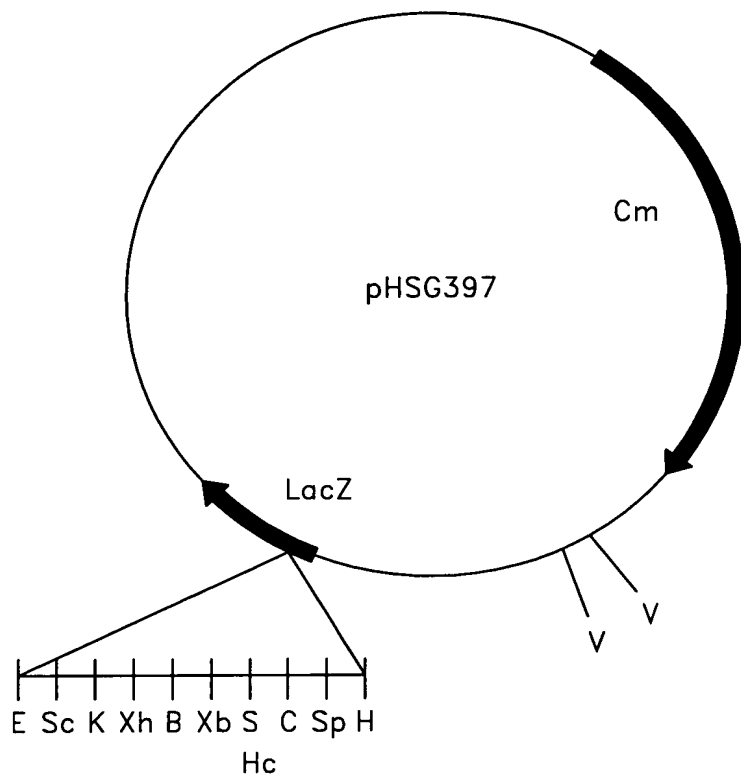


FIG.2



RESTRICTION ENZYME

B :Bam HI
C :Cla I
E :Eco RI
H :Hind III
Hc :Hinc II
K :Kpn I
M :Mlu I
N :Nhe I
Rs :Rsa I
RV :Eco RV
S :Sal I
Sc :Sac I
Sp :Sph I
V :Vsp I
Xb :Xba I
X :Xho I

FIG.3

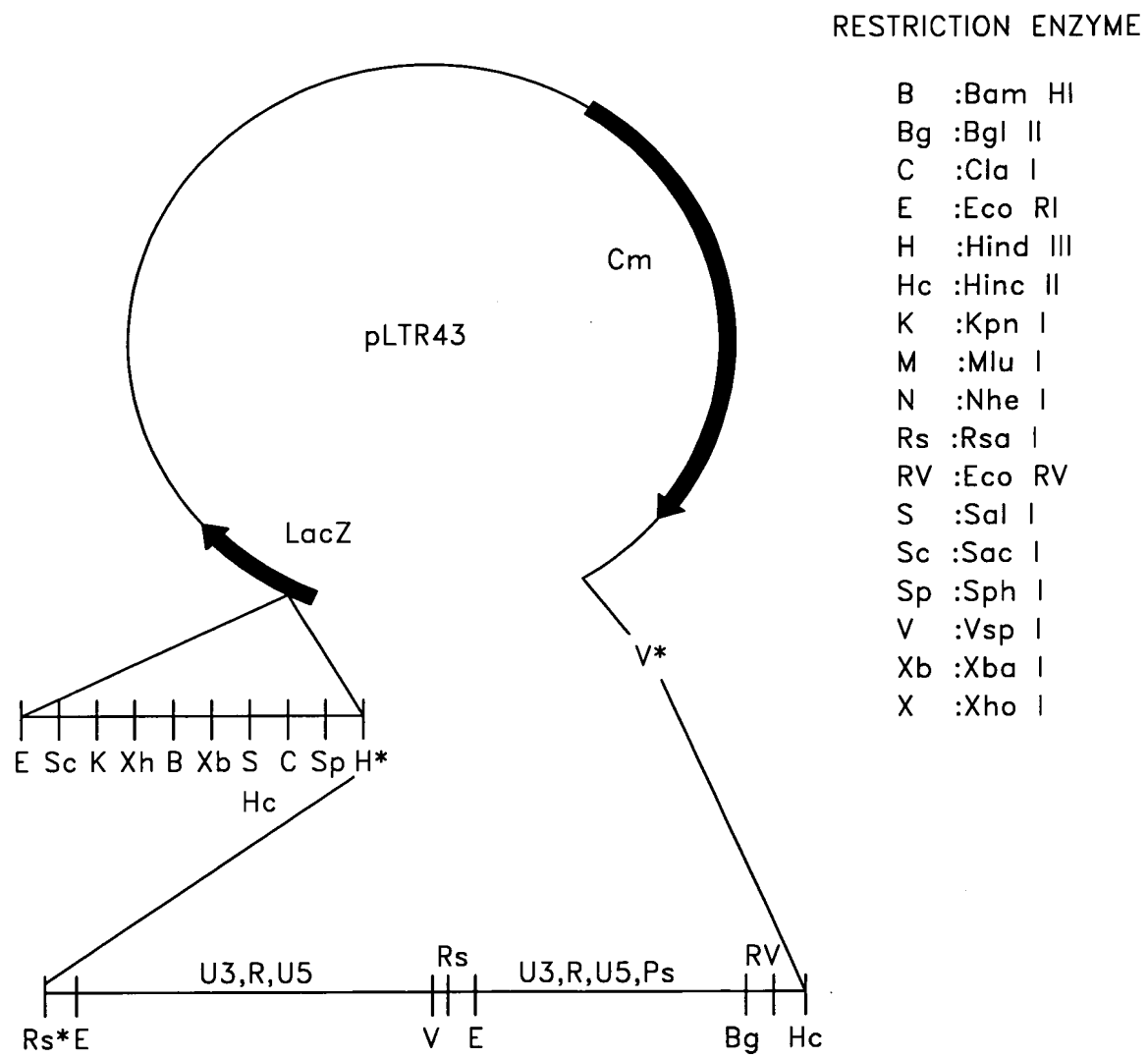


FIG. 4

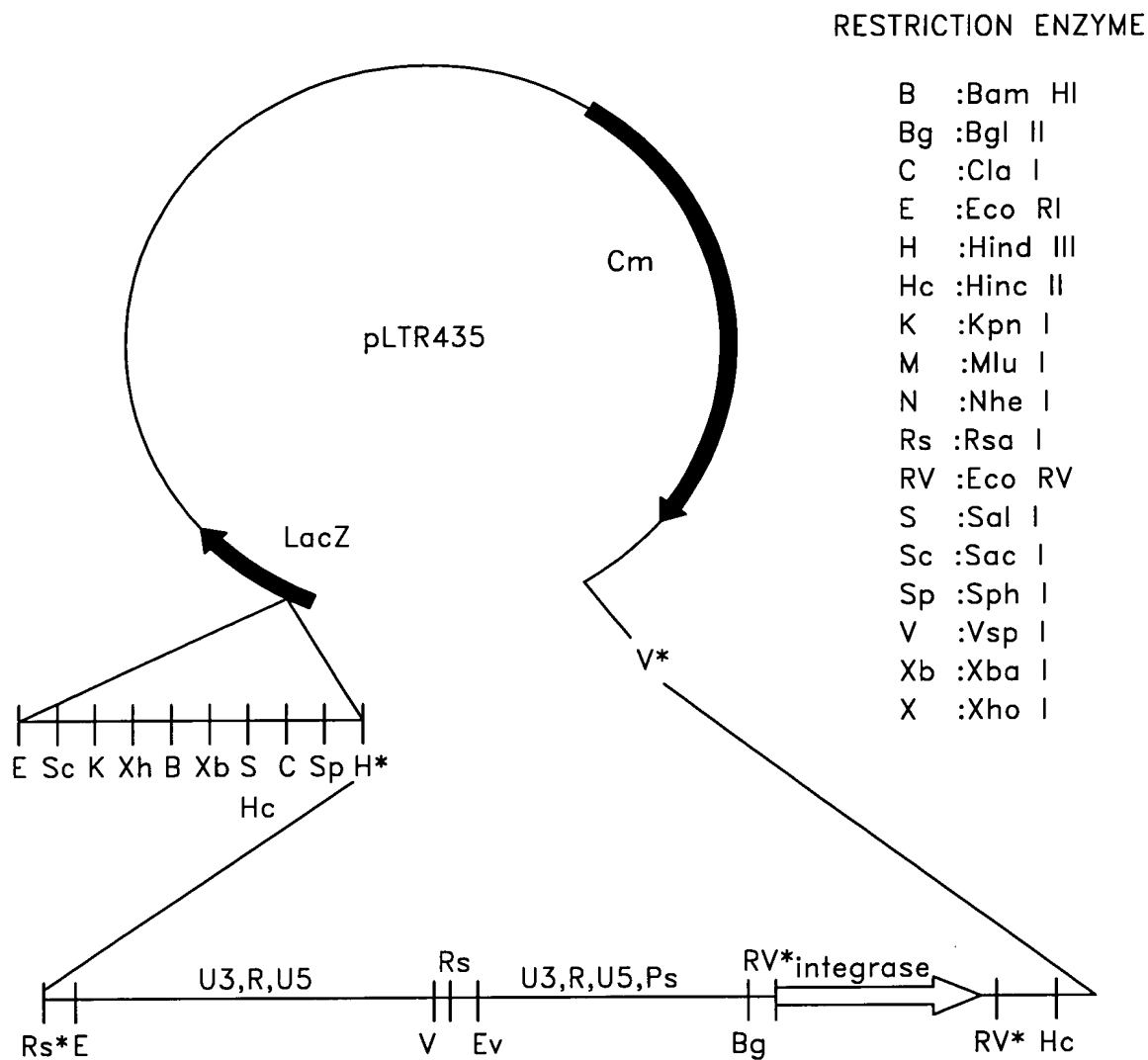
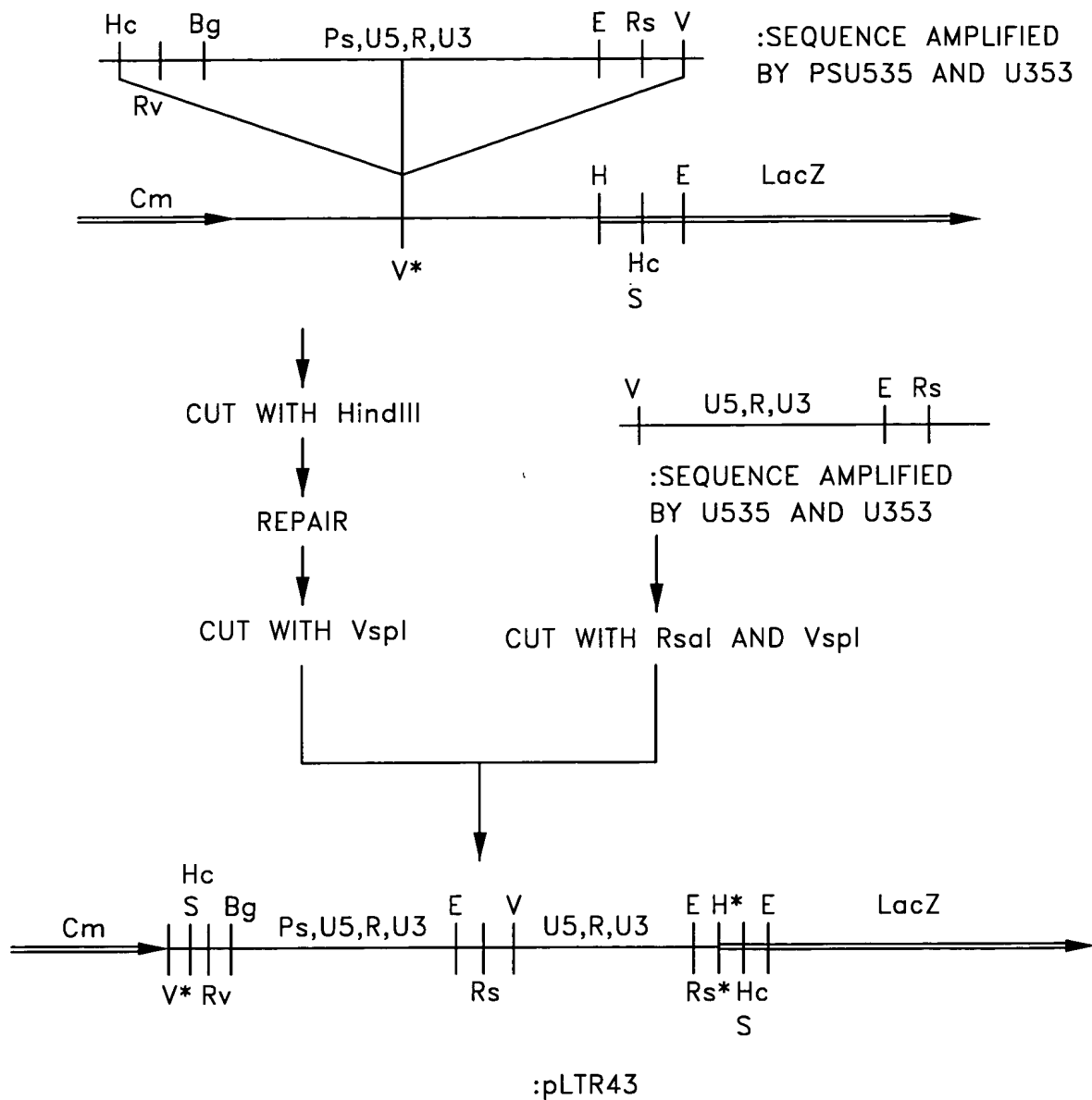


FIG.5



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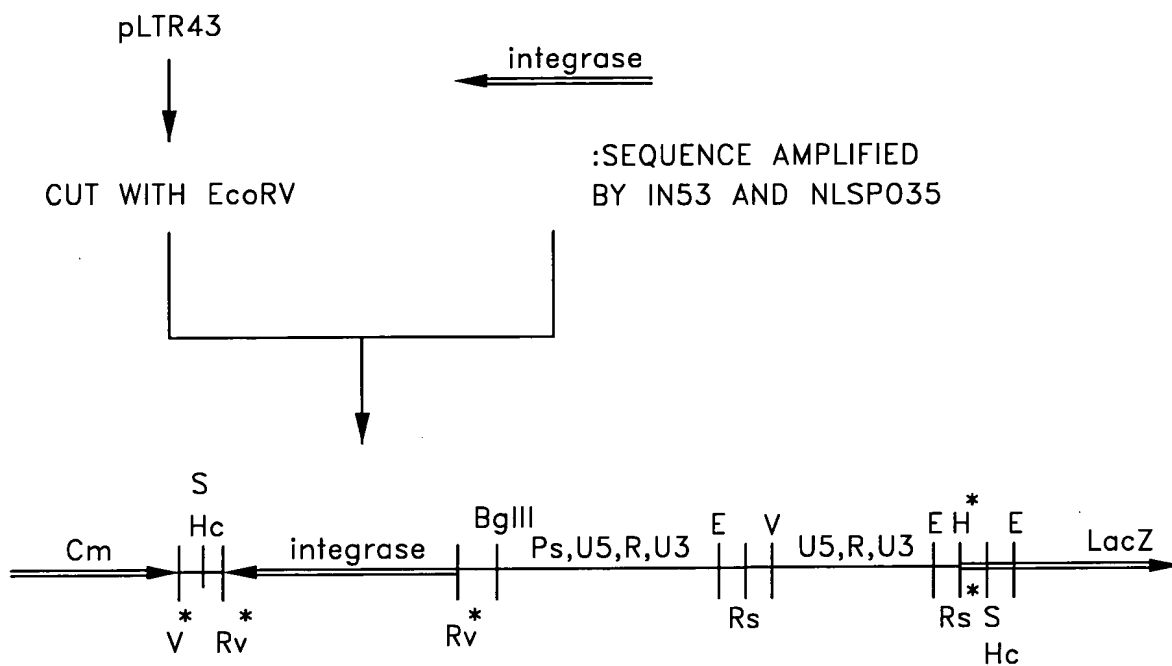
RESTRICTION ENZYME

Bg :Bgl II
 E :Eco RI
 Rv :EcoRV
 Hc :HincII
 Rs :Rsa I
 S :Sal I
 V :Vsp I

FIG. 6



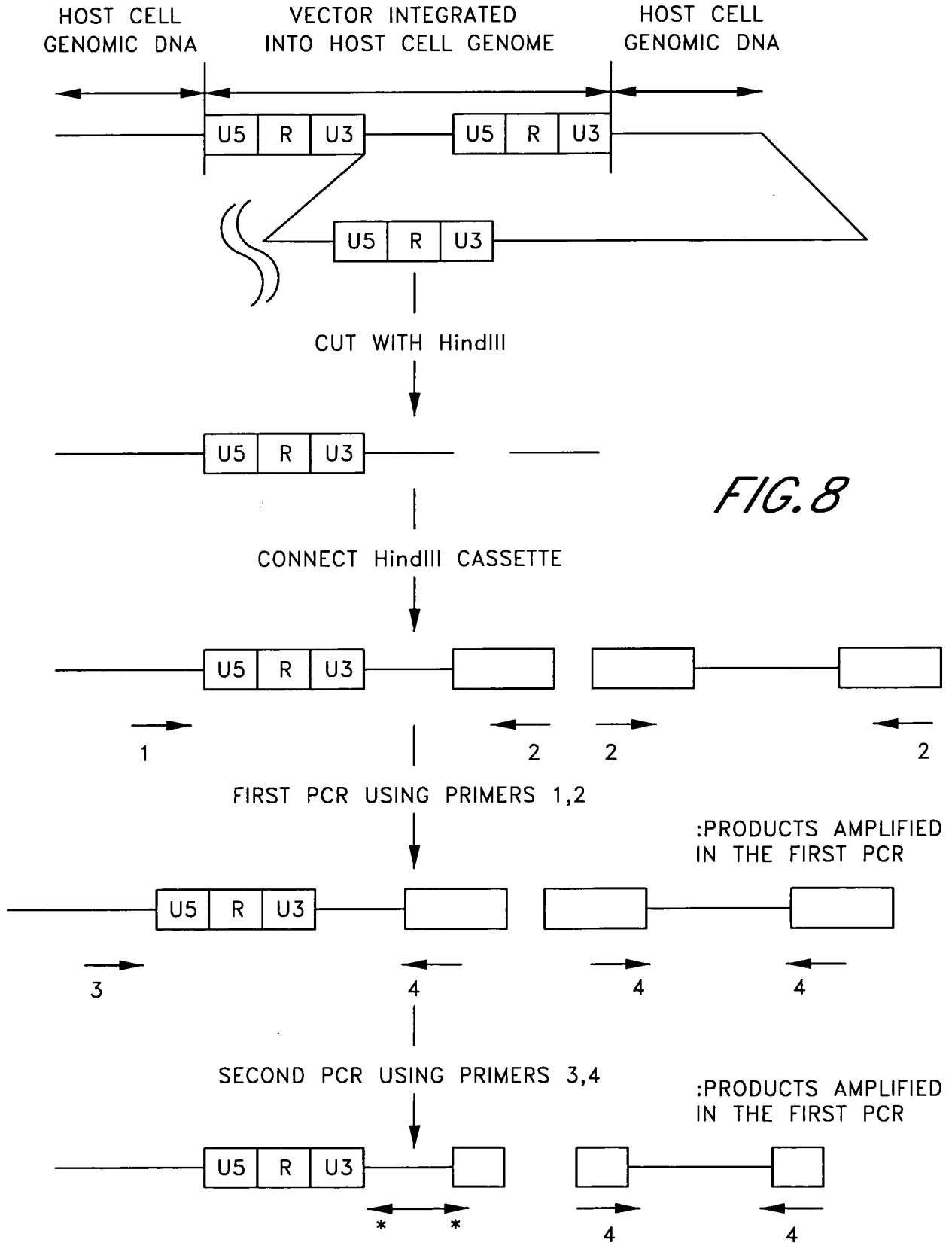
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RESTRICTION ENZYME

FIG. 7

Bg :BgIII
 E :EcoRI
 Rv :EcoRV
 Hc :HincII
 H :HindIII
 Rs :RsaI
 S :Sall
 V :VspI



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INTRODUCED INTRODUCED
pLTR435 pLTR43

M 1 2 1 2

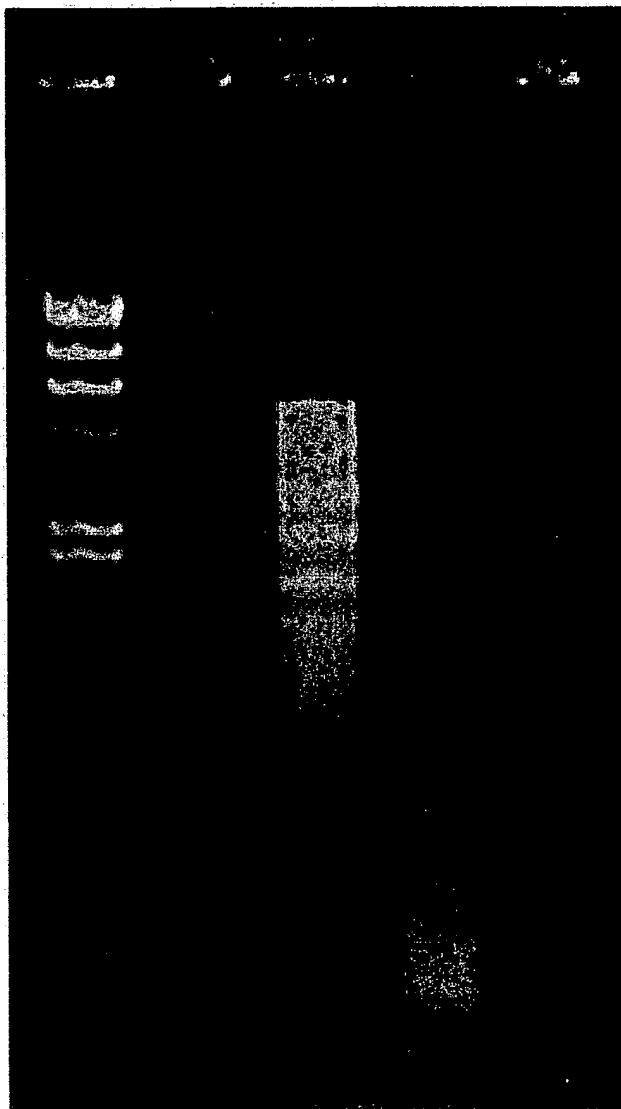


FIG. 9

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NOVEL PLASMID VECTOR

Katsumata, Atsushi et al.

Appl. No.:09/762,568 Atty. Docket:HIKARI.001APC

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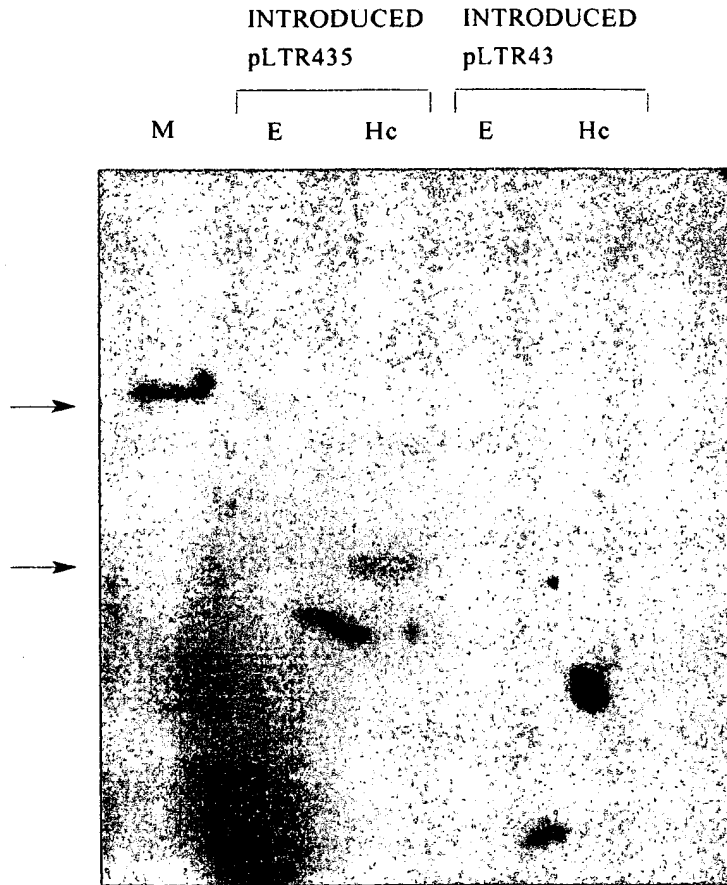


FIG. 10

NOVEL PLASMID VECTOR

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M N E S

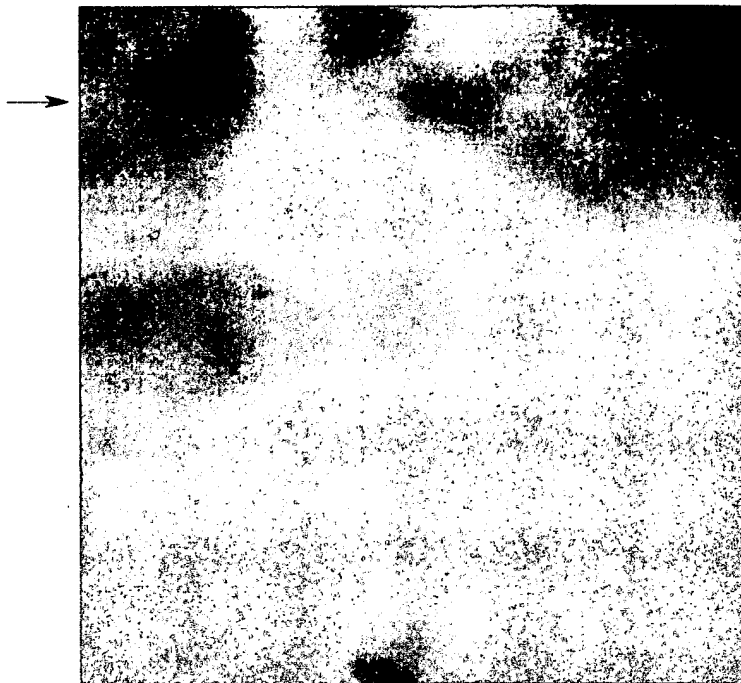


FIG. 11

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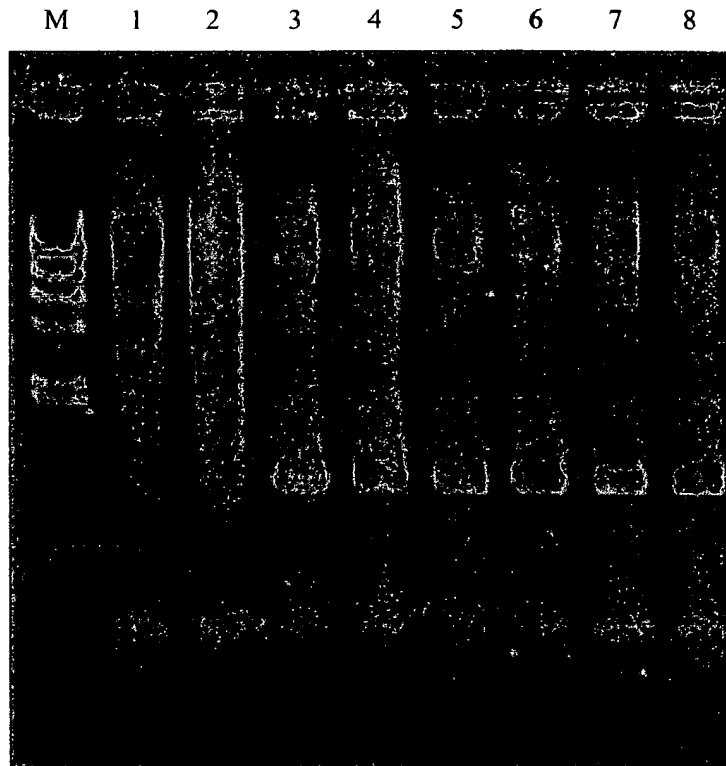


FIG. 12



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36
60
60
60
60

TCGTTAGAACGCGTAATACGACTCACTATAGGGGA
TCGTTAGAACGCGTAATACGACTCACTATAGGGGAAGCTTGAGGAAATGCAGGGACTGTG
TCGTTAGAACGCGTAATACGACTCACTATAGGGGAAGCTTTTATGTGTCCGATGTTTGCA
TCGTTAGAACGCGTAATACGACTCACTATAGGGGAAGCTTAACCAACACACATCAACCCA
TCGTTAGAACGCGTAATACGACTCACTATAGGGGAAGCTTCACACTTTTAAATTGAGAGC

HindIII Cassette
clone 1
clone 2
clone 3
clone 4

120
120
120
120
120

CATTGACTTGCCAGGAGGCTGAGGGCAAGGTTTCCGTTGCCTGCACCAGCTGGGATGCC
CTTGAGGATAGACGTGTGGATCTAGAGAGTAATGGCTGTTTTCTCCTCTCTGATGTTT
TCNTTTTTTTAGTCAGTCACACGTTTTGAACCTTTTCATGAAGCTTTTCAAGAAGCTTTC
CTTCTGGTTTATGTAGAAGAAATCCAGACATCCTTTTGGTTTAGAATGCACCTTCTAGCCCT

HindIII Cassette
clone 1
clone 2
clone 3
clone 4

142
142
123
138

HindIII Cassette
clone 1
clone 2
clone 3
clone 4

FIG. 13

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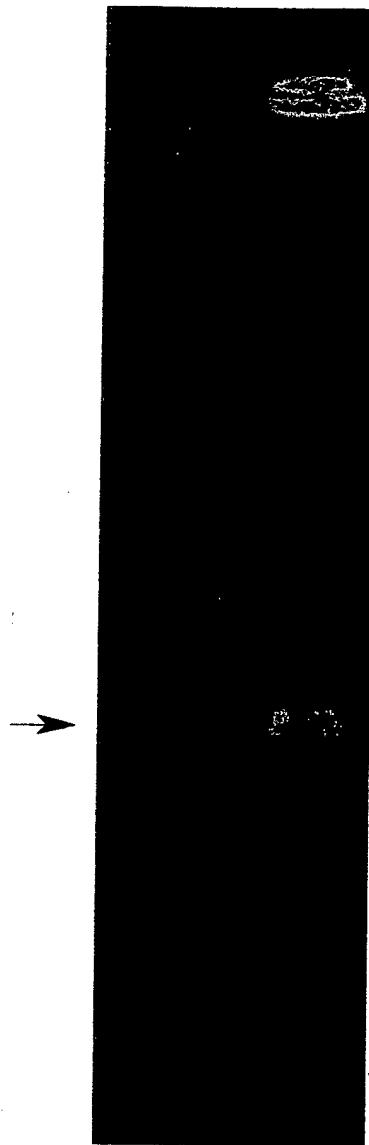


FIG. 14

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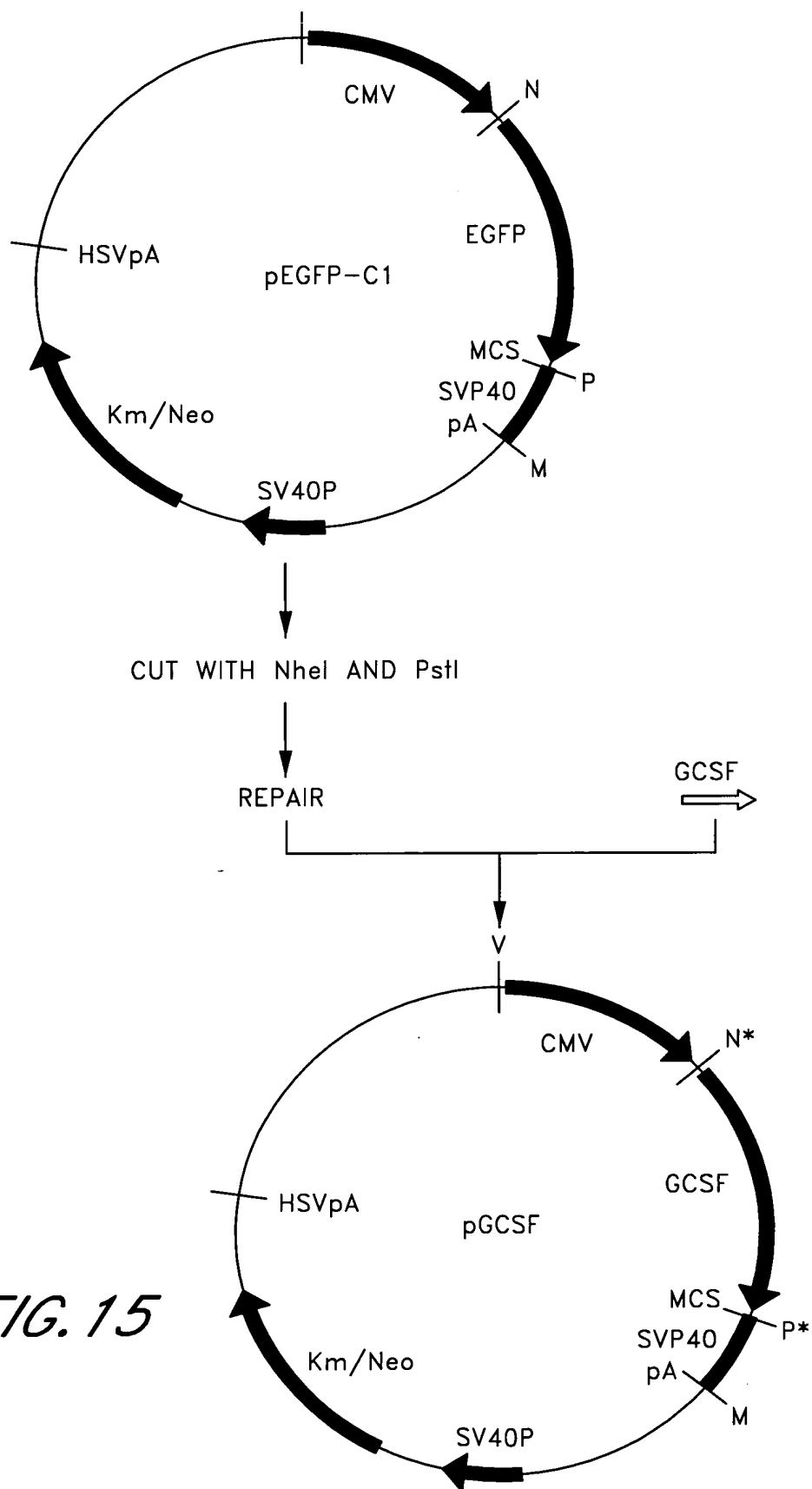
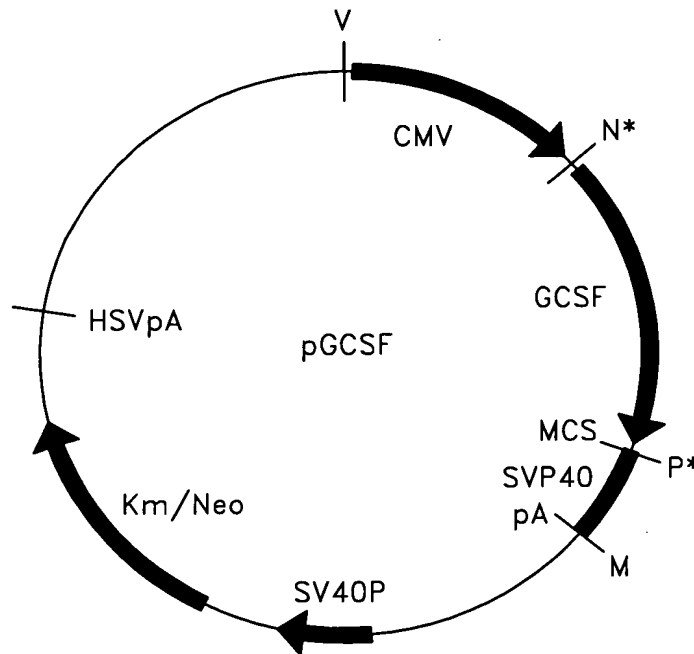


FIG. 15



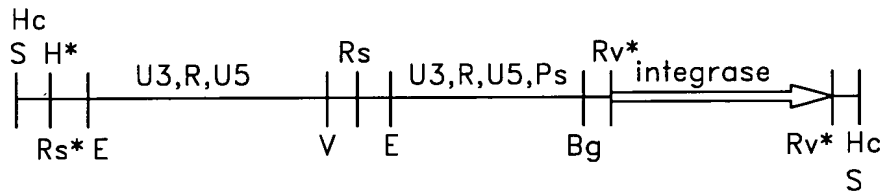
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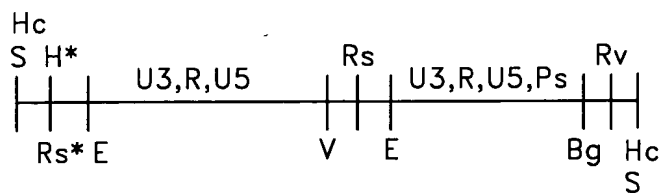
RESTRICTION ENZYME

B :Bam HI
 Bg :Bgl II
 C :Cla I
 E :Eco RI
 H :Hind III
 Hc :Hinc II
 K Kpn I
 M Mlu I
 N Nhe I
 Rs :Rsa I
 RV :Eco RV
 S :Sal I
 Sc :Sac I
 Sp :Sph I
 V :Vsp I
 Xb :Xba I
 X :Xho I

CUT WITH MluI



OR



ARE CONNECTED

FIG. 16



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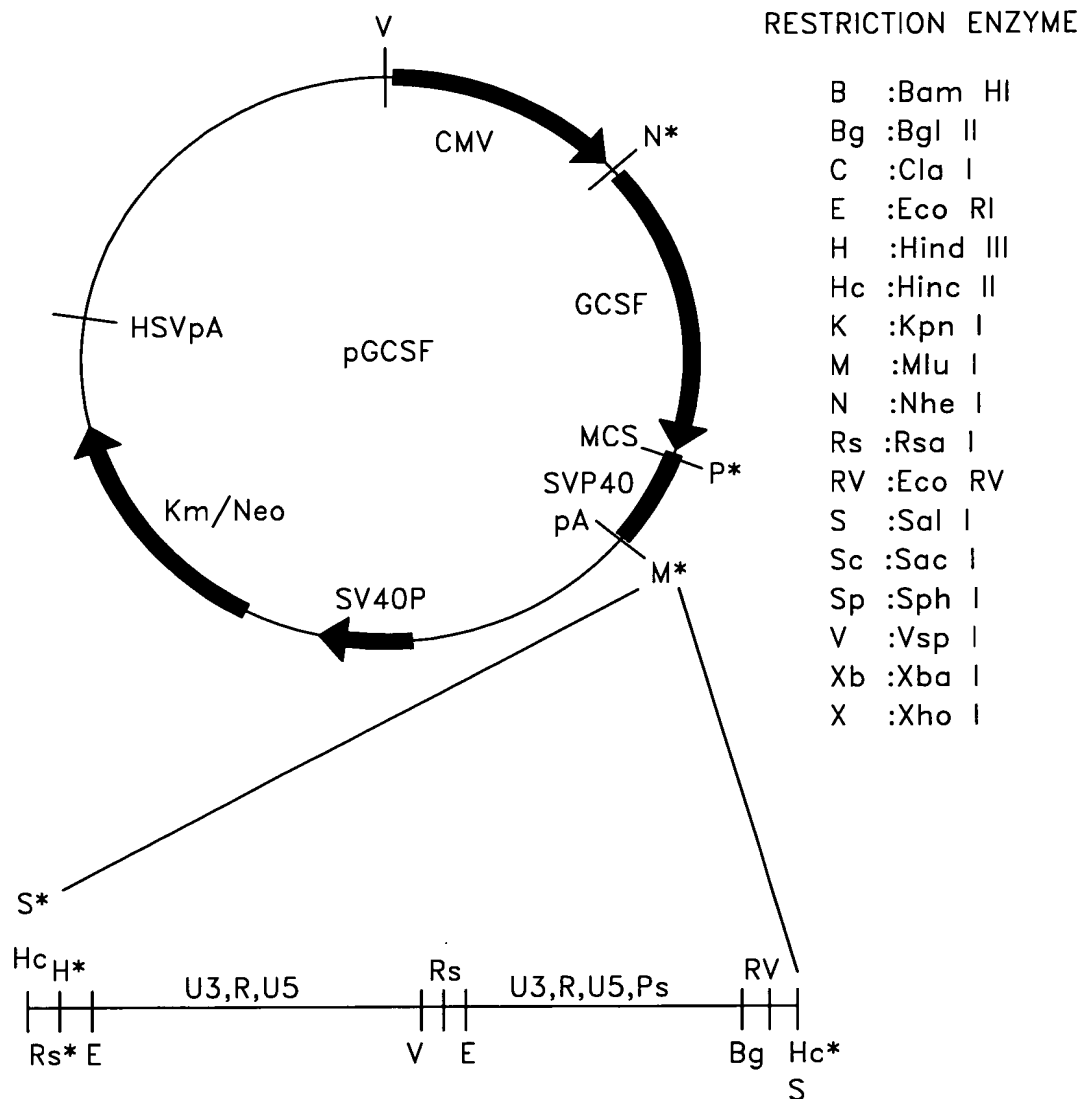


FIG. 17

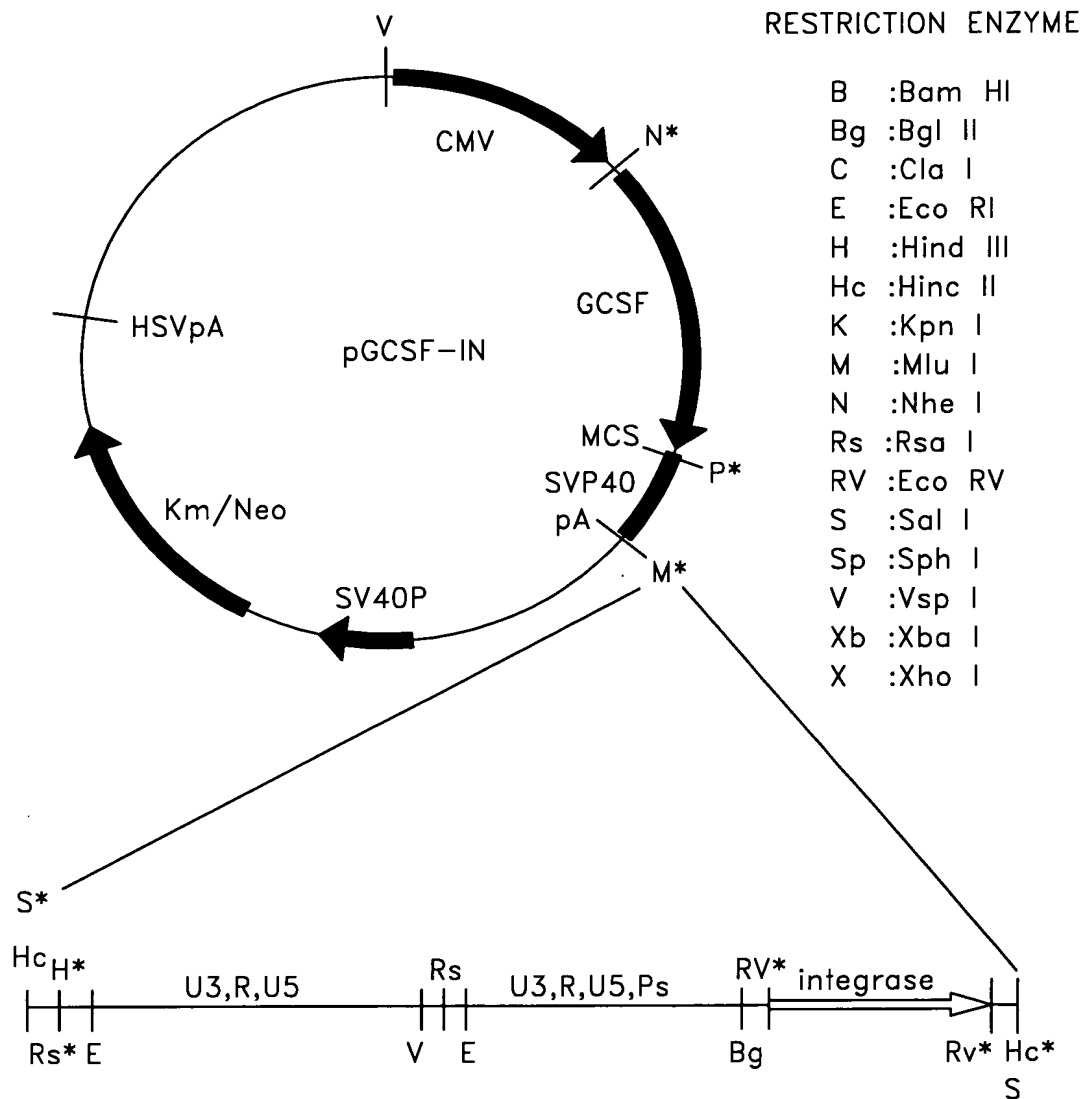


FIG. 18



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RESTRICTION ENZYME

B. :Bam HI
 Bg :Bgl II
 C :Cla I
 E :Eco RI
 H :Hind III
 Hc :Hinc II
 K :Kpn I
 M :Mlu I
 N :Nhe I
 Rs :Rsa I
 RV :Eco RV
 S :Sal I
 Sc :Sac I
 Sp :Sph I
 V :Vsp I
 Xb :Xba I
 X :Xho I

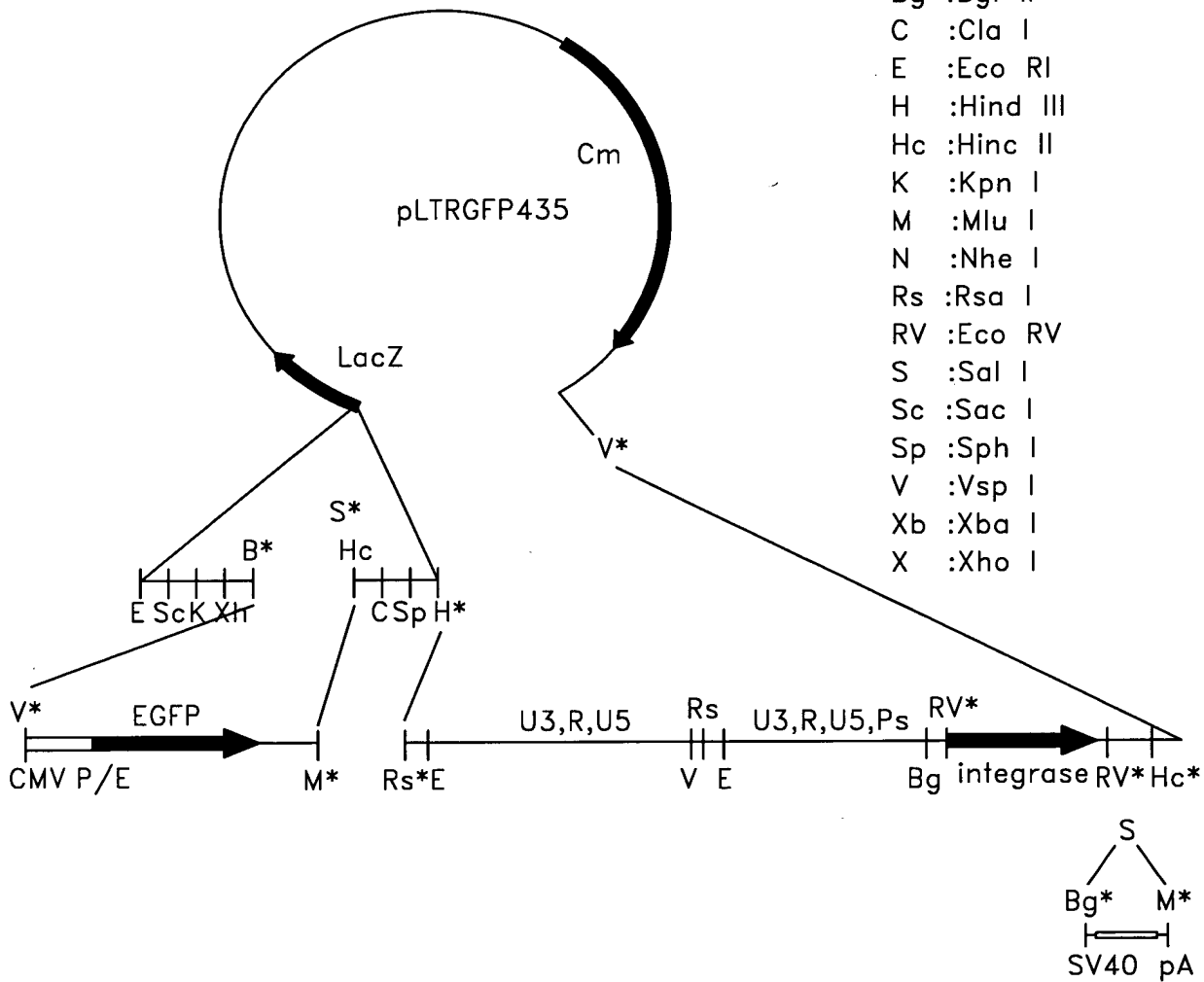


FIG. 19



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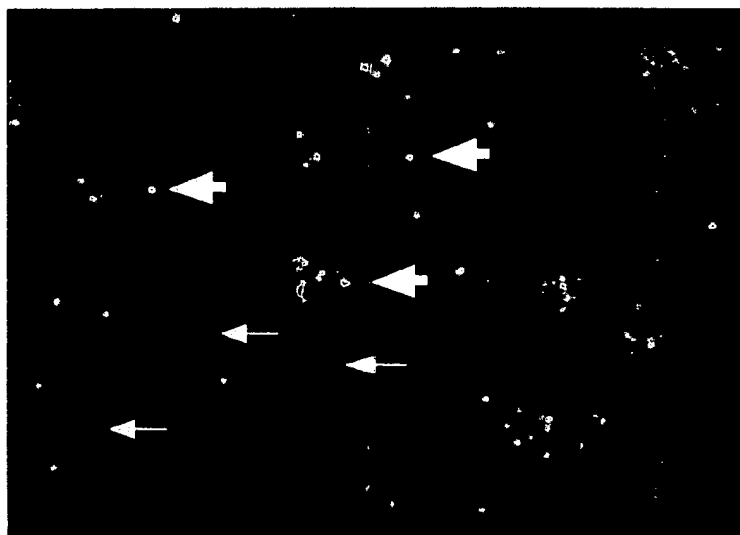
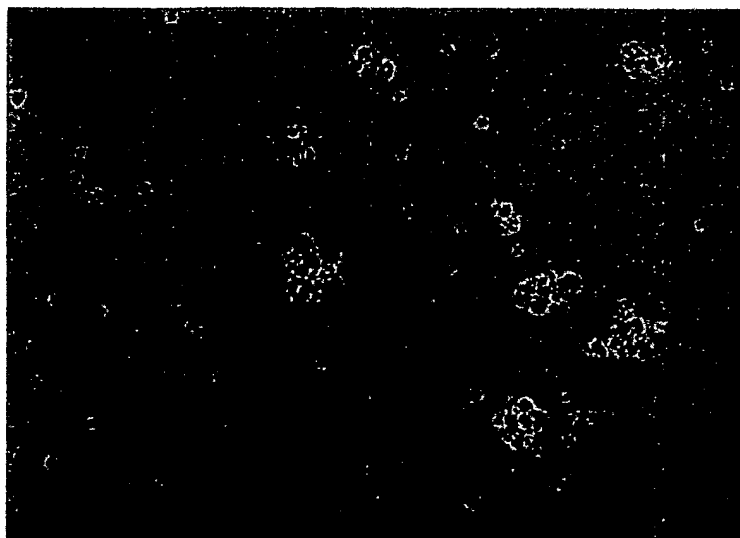
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NOVEL PLASMID VECTOR

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(NOTE)  "BOLD ARROW" INDICATES TYPICAL GFP POSITIVE CELLS
 "NORMAL ARROW" INDICATES TYPICAL GFP NEGATIVE CELLS

FIG. 20

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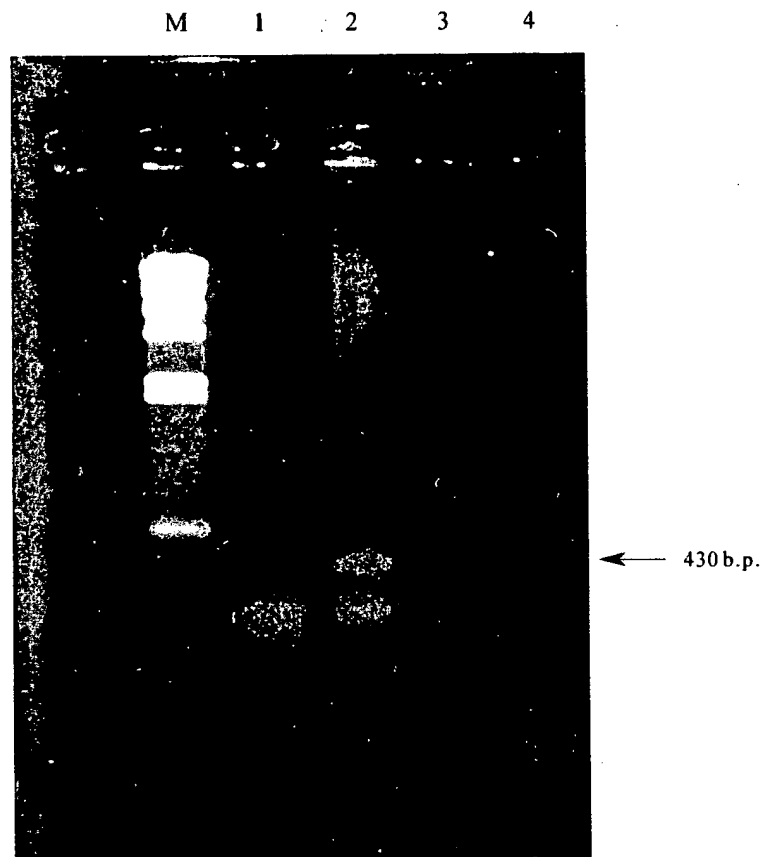


FIG.21

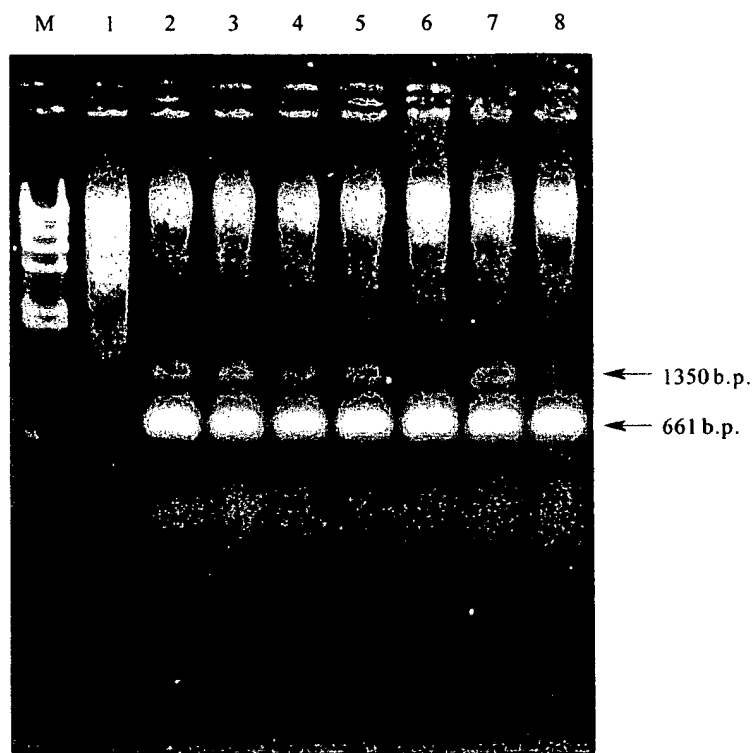
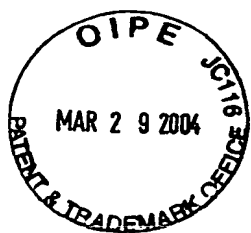


FIG.22



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RESTRICTION ENZYME

A :APa LI
 B :Bam HI
 Bg :Bgl II
 C :Cla I
 E :Eco RI
 H :Hind III
 Hc :Hinc II
 K :Kpn I
 M :Mlu I
 N :Nhe I
 P :Pst I
 Rs :Rsa I
 RV :Eco RV
 S :Sal I
 Sc :Sac I
 Sp :Sph I
 V :Vsp I
 Xb :Xba I
 X :Xho I

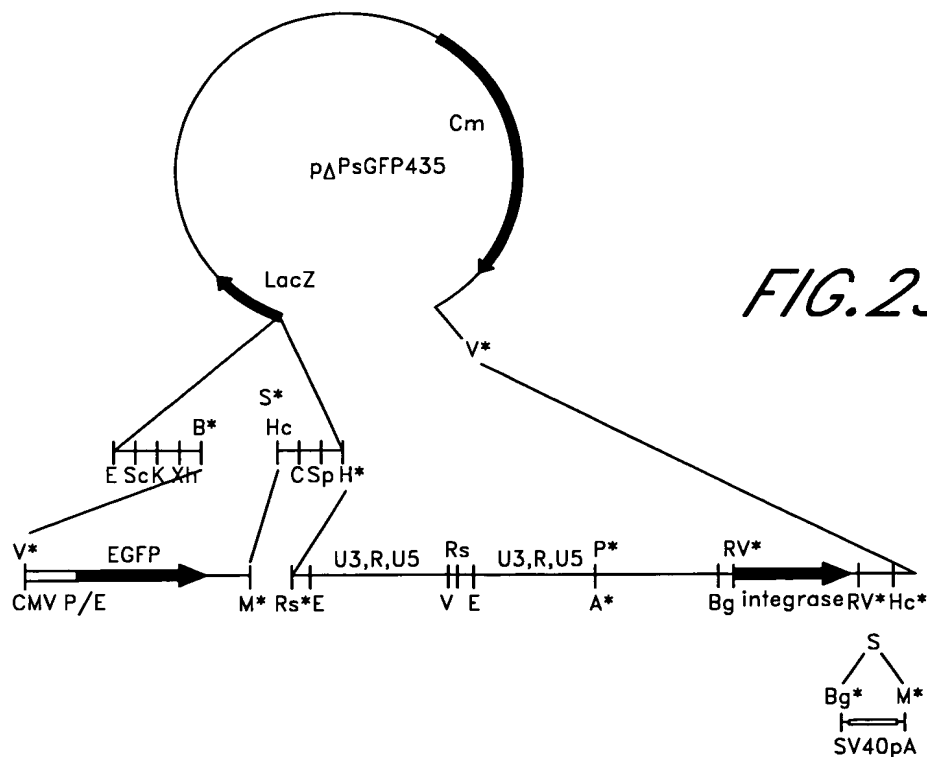
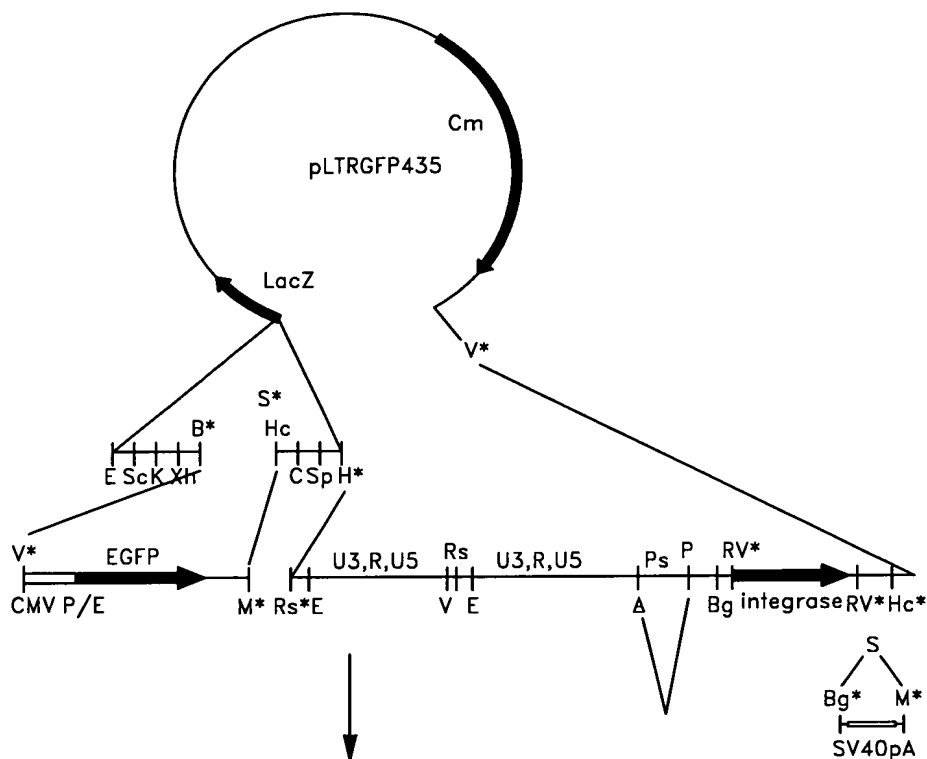


FIG.23



RESTRICTION ENZYME

B :Bam HI
 Bg :Bgl II
 C :Cla I
 E :Eco RI
 H :Hind III
 Hc :Hinc II
 K :Kpn I
 M :Mlu I
 N :Nhe I
 Rs :Rsa I
 RV :Eco RV
 S :Sal I
 Sc :Sac I
 Sp :Sph I
 V :Vsp I
 Xb :Xba I
 X :Xho I

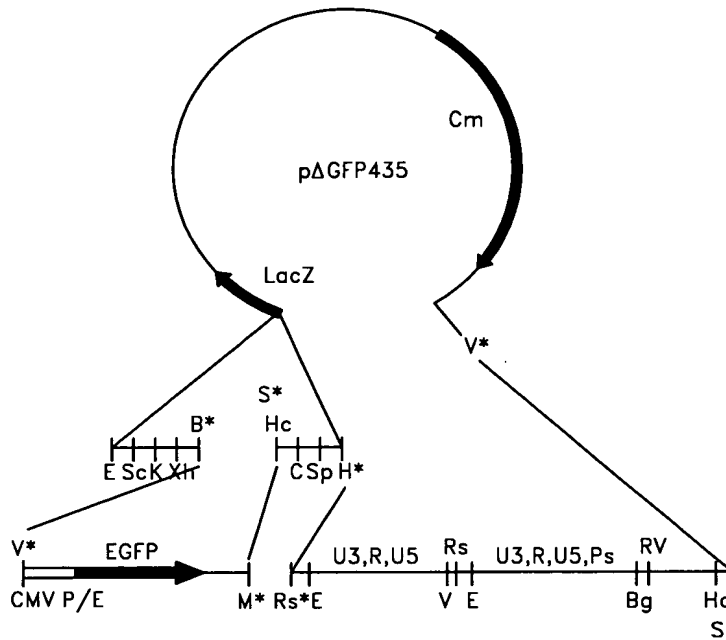


FIG.24

NOVEL PLASMID VECTOR

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M 1 2 3

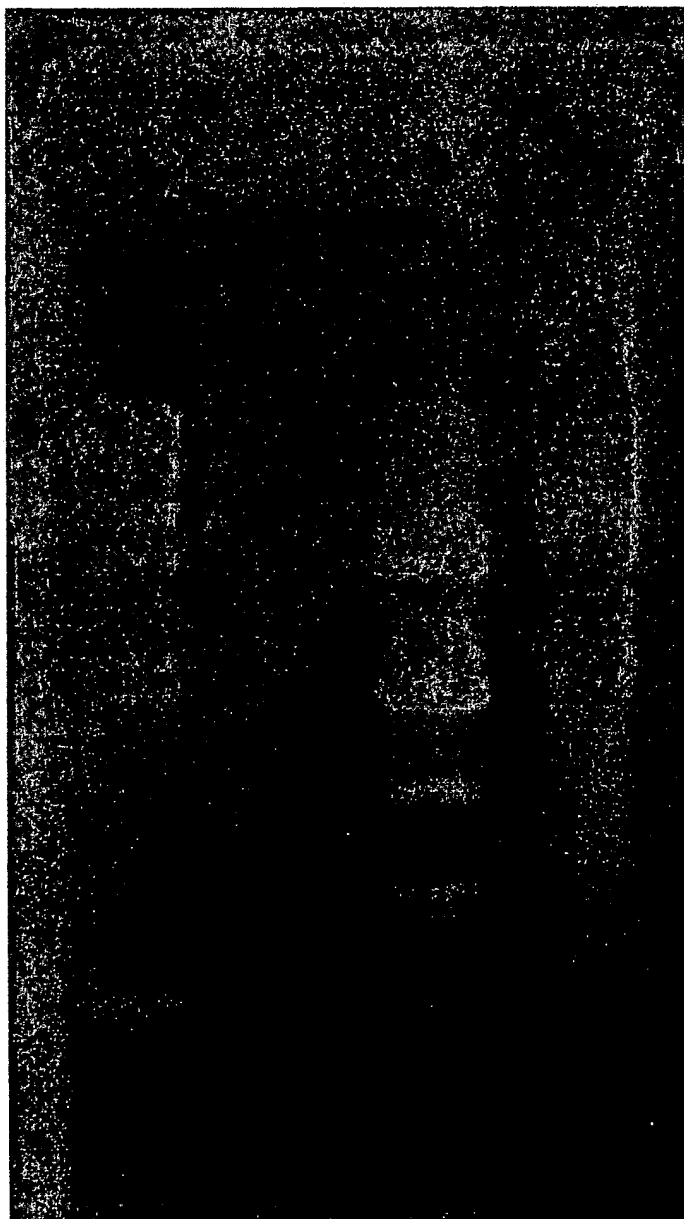


FIG. 25

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NOVEL PLASMID VECTOR

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M 1 2 3

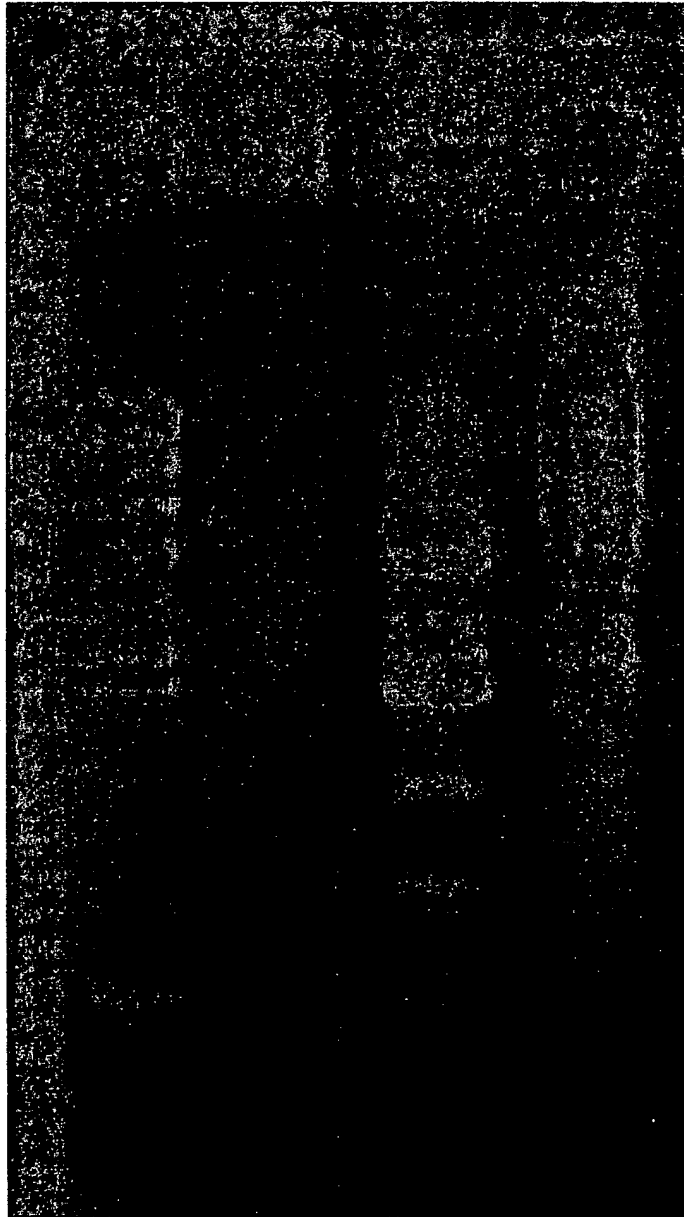


FIG. 25

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